

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **11-124335**  
 (43)Date of publication of application : **11.05.1999**

---

(51)Int.CI. **A61K 33/38**  
**A61K 33/38**  
**A61K 31/425**  
**A61K 31/47**

---

(21)Application number : **09-285427** (71)Applicant : **FUJI PHOTO FILM CO LTD**  
 (22)Date of filing : **17.10.1997** (72)Inventor : **NEMORI RIYOUICHI  
 HAMAOKA TSUTOMU  
 NISHIGAKI JUNJI  
 IKENAGA HITOMI  
 SHISHIDO TADAO  
 TAMURA YUTAKA  
 TACHIKAWA TETSUHIKO  
 HASEGAWA IKUO  
 HASEGAWA KOJI**

---

## **(54) ANTINEOPLASTIC AGENT**

### **(57)Abstract:**

**PROBLEM TO BE SOLVED:** To obtain an antineoplastic agent useful for a treatment for a malignant tumor such as a gastric cancer, carcinoma of the esophagus, carcinoma of the colon and rectum, etc., excellent in antineoplastic effect and capable of avoiding a provision of any side effects and drug resistance by including a colloidal silver as an active ingredient.

**SOLUTION:** This antineoplastic agent is obtained by including a colloidal silver with a diameter of pref. 1 to 500 nm. The colloidal silver is prepared by a dextrin reduction using a gelatin, etc., as a dispersant. The dose is pref. generally 0.1 to 1,000 mg/kg per adult and day. The antineoplastic agent is pref. used together with another antineoplastic agent containing, as an active ingredient, an antineoplastic compound having a positive electric charge in a neutral condition of cyanine dye and rhodacyanine dye, etc. The antineoplastic agent is useful for a treatment for a solid cancer such as colonic cancer and rectal cancer and a non-solid cancer such as leukemia and malignant lymphoma, and also applicable to a metastatic cancer or relapsed cancer along with a primary cancer.

---

### **LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office